COMP	ONENTS:	ORIGINAL MEASUREMENTS:		
(1)	Benzenesulfonamide, 4-amino-N-(2,6-di-methoxy-4-pyrimidinyl)- (sulfadimethoxine); $C_{12}H_{14}N_40_4S$; [122-11-2] 1-Propanol; C_3H_80 ; [71-23-8]	Mauger, J. W.; Paruta, A. N.; Gerraughty, R. J. J. Pharm. Sci. 1972, 61(1), 94-7.		
VARIABLES:		PREPARED BY:		
	Temperature	R. Piekos		

EXPERIMENTAL VALUES:

t/°C	Mole fraction solubility (x 10 ⁴)
25	4.71
30	5.63
37	7.79

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:

A const temp bath contg screw-capped bottles with sulfadimethoxine in excess and 1-propanol was rotated for 24 h. Samples were withdrawn through a pledget of glass wool into a pipet, which was wiped clean and allowed to drain into a volumetric flask. Solute concns were detd by spectrophotometric assay at predetd wavelengths using a Cary model 16 spectrophotometer (1).

SOURCE AND PURITY OF MATERIALS:

Sulfadimethoxine: lot 203057, Hoffmann - La Roche, Inc.

1-Propanol: Baker Analyzed Reagent, J. T. Baker Chemical Co.

ESTIMATED ERROR:

Soly: av values of 3 detns are given (authors).

Temp: ±0.1°C (authors).

REFERENCES:

Paruta, A. N.; Mauger, J. W.
 J. Pharm. Sci. 1971, 60, 432.

COMPONENTS:

- (1) Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)- (sulfadimethoxine); C₁₂H₁₄N₄O₄S; [122-11-2]
- (2) 1-Propanol; C₃H₈O; [71-23-8]

ORIGINAL MEASUREMENTS:

Mauger, J. W.; Petersen, H., Jr.; Alexander, K. S.; Paruta, A. N. Drug Dev. Ind. Pharm. 1977, 3(2), 163-83.

VARIABLES:

Temperature

PREPARED BY:

R. Piekos

EXPERIMENTAL VALUES:

t/ ^o C	Solubility		
	mg/m1	10 ⁴ X ^a	10 ² mol dm ⁻³ b
25	1.95	4.71	0.63
30	2.32	5.63	0.75
37	3.20	7.79	1.03

a X = mole fraction

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:

A const temp bath contg screw-capped bottles with sulfadimethoxine in excess and 1-propanol was rotated for 24 h. Samples were withdrawn through a pledget of glass wool into a pipet, which was wiped clean and allowed to drain into a volumetric flask. Soly was detd from absorbance and previously ascertained Beer's law plots detd on a Cary model 16 spectrophotometer (1).

SOURCE AND PURITY OF MATERIALS:

Sulfadimethoxine: lot 203027 Hoffmann-La Roche, Inc. Its mp agreed with the literature value. 1-Propanol was a Baker Analyzed Reagent (J. T. Baker Chemical Co.) Its refractive index value and density agreed with literature values.

ESTIMATED ERROR:

Soly: av of at least 3 detns is reported (authors).

Temp: ±0.1°C (authors).

REFERENCES:

Mauger, J. W.; Paruta, A. N.
 Gerraughty, R. J. J. Pharm. Sci.
 1972, 61(1), 94.

b Calculated by compiler

COMPONENTS:

- (1) Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidiny1)- (sulfadimethoxine); C₁₂H₁₄N₄O₄S; [122-11-2]
- (2) 1-Butanol; C₄H₁₀O; [71-36-3]

ORIGINAL MEASUREMENTS:

Mauger, J. W.; Paruta, A. N.; Gerraughty, R. J. J. Pharm. Sci. 1972, 61(1), 94-7.

VARIABLES:

Temperature

PREPARED BY:

R. Piekos

EXPERIMENTAL VALUES:

t/°C	Mole fraction solubility (x 10 ⁴)
25	3.89
30	5.26
37	6.70

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:

A const temp bath contg screw-capped bottles with sulfadimethoxine in excess and 1-butanol was rotated for 24 h. Samples were withdrawn through a pledget of glass wool into a
pipet, which was wiped clean and allowed to
drain into a volumetric flask. Solute concns were detd by spectrophotometric assay
at predetd wavelengths using a Cary model 16
spectrophotometer (1).

SOURCE AND PURITY OF MATERIALS:

Sulfadimethoxine: lot 203057, Hoffmann-La Roche, Inc.

1-Butanol was from Mallinckrodt Chem Works.

ESTIMATED ERROR:

Soly: av values of 3 detns are given (authors).

Temp: ±0.1°C (authors).

REFERENCES:

Paruta, A. N.; Mauger, J. W.
 J. Pharm. Sci. 1971, 60, 432.

COMPONENTS:

- (1) Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)- (sulfadimethoxine); C₁₂H₁₄N₄O₄S; [122-11-2]
- (2) 1-Butanol; C₄H₁₀O; [71-36-3]

ORIGINAL MEASUREMENTS:

Mauger, J. W.; Petersen, H., Jr.; Alexander, K. S.; Paruta, A. N. Drug Dev. Ind. Pharm. 1977, 3(2), 163-83.

VARIABLES:

Temperature

PREPARED BY:

R. Piekos

EXPERIMENTAL VALUES:

t/°C	Solubility		
	mg/ml	10 ⁴ x ^a	10 ³ mol dm ⁻³ b
25	1.31	3.89	4.22
30	1.77	5.26	5.70
37	2.25	6.70	7.25

a X = mole fraction

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:

A const temp bath contg screw-capped bottles with sulfadimethoxine in excess and 1-butanol was rotated for 24 h. Samples were withdrawn through a pledget of glass wool into a pipet, which was wiped clean and allowed to drain into a volumetric flask. Soly was detd from absorbance and previously ascertained Beer's law plots detd on a Cary model 16 spectrophotometer (1).

SOURCE AND PURITY OF MATERIALS:

Sulfadimethoxine: lot 203027, Hoffmann-La Roche Inc. Its mp agreed with the literature value. 1-Butanol was from the Mallinckrodt Chemical Works. Its refractive index value and density agreed with literature values.

ESTIMATED ERROR:

Soly: av of at least 3 detns is reported (authors).

Temp: ±0.1°C (authors).

REFERENCES:

Mauger, J. W.; Paruta, A. N.;
 Gerraughty, R. J. J. Pharm. Sci.
 1972, 61(1), 94.

b Calculated by compiler